

Amendments to the Claims:

Without prejudice, this listing of the claims replaces all prior versions and listings of the claims in the present application:

LISTING OF CLAIMS:

1-11. (Canceled).

12. (Currently Amended) A data transmission device for use with multiple data transmission technologies and/or multiple data transmission parameters of one or more data transmission technologies, comprising:

a transmitting device and a receiving device configured to communicate with one another over at least one data transmission channel;

a determination device configured to determine transmission properties of the at least one data transmission channel, the properties being at least one of: i) properties of multiple data transmission technologies, and ii) multiple data transmission parameters of at least one data transmission technology; and

a selector device coupled to the determination device and to at least one of the transmitting device and the receiving device, the selector device being configured to select a certain data transmission technology having certain data transmission parameters according to a result of the determination;

wherein the determination device is configured to determine a rate of change of the data transmission channel, and

wherein the selector device is configured to make the selection so that interferences in the receiving device are eliminated when the rate of change of the data transmission channel exceeds a predetermined value, and interferences in the transmitting device are eliminated when the rate of change of the data transmission channel drops below a predetermined level.

13. (Previously Presented) The data transmission device according to claim 12, wherein the selector device is coupled to the transmitting device.

14. (Previously Presented) The data transmission device according to claim 12, wherein the selector device is coupled to the receiving device.

15. (Previously Presented) The data transmission device according to claim 12, wherein the data transmission channel is a wireless channel.

16. (Canceled).

17. (Canceled).

18. (Previously Presented) The data transmission device according to claim 12, wherein the determination device is configured to determine a maximum delay of the data transmission channel.

19. (Currently Amended) ~~The data transmission device according to claim 18;~~ A data transmission device for use with multiple data transmission technologies and/or multiple data transmission parameters of one or more data transmission technologies, comprising:

a transmitting device and a receiving device configured to communicate with one another over at least one data transmission channel;

a determination device configured to determine transmission properties of the at least one data transmission channel, the properties being at least one of: i) properties of multiple data transmission technologies, and ii) multiple data transmission parameters of at least one data transmission technology; and

a selector device coupled to the determination device and to at least one of the transmitting device and the receiving device, the selector device being configured to select a certain data transmission technology having certain data transmission parameters according to a result of the determination;

wherein the determination device is configured to determine a maximum delay of the data transmission channel, and

wherein the selector device is configured to make the selection so that a transmission technology having a certain burst structure is selected as a function of the maximum delay determined for the data transmission channel.

20. (Previously Presented) The data transmission device according to claim 12, wherein the selector device is configured to make the selection so that a transmission technology having a certain reference signal is selected as a function of at least one of: i) a maximum delay for the data transmission channel, and ii) a rate of change of the data transmission channel.

21. (Previously Presented) The data transmission device according claim 12, wherein the data transmission device is a mobile wireless device.

22. (Previously Presented) The data transmission device according to claim 21, wherein the data transmission device is a mobile telephone.

23. (Currently Amended) A data transmission method for use with multiple data transmission technologies and/or multiple data transmission parameters of one or more data transmission technologies for implementation on at least one transmitting device and one receiving device which can communicate with one another over at least one data transmission channel, the method comprising:

determining transmission properties of the at least one data transmission channel, the properties being at least one of: i) properties of multiple data transmission technologies, and ii) multiple data transmission parameters of at least one data transmission technologies; and

selecting a certain data transmission technology having certain data transmission parameters according to the determination;

wherein the determining determines a rate of change of the at least one data transmission channel, and

wherein the selecting selects so that interferences in a receiving device are eliminated when the rate of change of the at least one data transmission channel exceeds a predetermined value, and interferences in a transmission are eliminated when the rate of change of the at least one data transmission channel drops below a predetermined level..